AEE/PSD/D2/SBR/15/2016-17 — 28/-30/11/2016

Part Bill No -1

Orginal/Duplicate/Triplicate

CONTRACT CERTIFICATE

No……. (For other works) Date:……

Division: Dasarahalli Sub Division Shettyhalli

Bill Received No……09……Dated…21/12/16…Cash Book Vocher No……..Dated……

Scheduled Docket No…… Head of Account……

Name of work (as Per Sanctioned Estimate.):- **Drilling of new Borewells at Ward No. 12, Dasarahalli Project Sub Division**

Name of Contractor and Full Address: **:-Technical Manager (west) Karnataka Rurral Infrastructure Development Limted, Project Implementation Unit, Madhavanagara bangalore 560 001.**

Reference to Agreement No:

Certified that the measurements were taken by me on …30/11/16 ……..and recorded in pages…66162/ to 66170

Measurements Book No…662/2012-13… and that the work is satisfaction executed

Contractor Signature

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Ravi. N.K.
Officer-in-charge of work.

Certified that the measurements were taken by me on 30/11/16… and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment **Work Code No.** 12-15-000035 **Sub – Division Officer**

Asst. Executive Engineer
Project Sub Division-1
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

		Amount
1	Total Value of work done or supplies made as per account.	Gross 492659-
2	Deduct amount to be held in reserve being …… Percent Rs. ……	IT- 9853-
3	Deduct amount to be held in reserve being balance	KST- 19706-
4	Deduct payments: a) Amount of previous payment as in the office Cash Book Vocher No…… Dated…… S.D. No…… Amount adjusted towards cash advance recovery of b) Payments cost store or other materials supplied.	FSD- 24633-
		CBS- 4927-
5	Balance being unpaid value of work done held in reserve	Total…… CBF 500-
6	Deduct cash advance made on the office cash book vehicle No…… Dated…… Less adjustments	Ded 59,619-
7	Net amount due to or from contractor	net 433040-
	Unadjusted items	
8	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied. Government materials supplied.	

Contractor Signature.

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Received Rs……(in words)……

Bor 09/21/12/16 p. 0299.

By cash and by adjustment of payment as per memorandam.

Witnesses:

1

2

Audited and found correct
Passed By Cheque for Rs.
(

492659/-
433040/-
Four lakh thirty three thousand and forty only
59619/-

(for use in the office)

Date:……

Paid by me by cheque…by account/credit…… Dated……

Cash Rs…… Dated……

Initials of Officer making payment dated……

Executive Engineer

B.B.M.P Dasarahalli Division

Signature of Contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Executive Engineer

Sl. No.	Description of Items	Unit	Previous Measurement			Present Measurement			Total Up-to-date	
			Qty.	Rate	Cost	Qty.	Rate	Cost	Qty.	Cost
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the Habitation either through the hand pump, MWS O PWSS by vertical electrical sounding by adopting veneer or Schlumbergers's method, including reconnaissance survey of Geological formation, Geophysical investigation of existing ground water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc.	Nos				1.00	1938.46	1938.00	1.00	1938.00
2	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burdern upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimu working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.,	Mtr					315.18			
a	Upto 50.00m depth	Rmtr				50.00	~~350.18~~	15759.00	50.00	15759.00
b	Above 50.00 to 100.00m depth	Rmtr				50.00	412.00	20600.00	50.00	20600.00
c	Above 100.00 to 150.00m depth	Rmtr				50.00	458.35	22918.00	50.00	22918.00
d	Above 150m to 200m depth	Rmtr				50.00	484.10	24205.00	50.00	24205.00
e	Above 200m up to 250m depth	Rmtr				50.00	560.32	28016.00	50.00	28016.00
f	Above 250m to 300m depth	Rmtr				~~50.00~~ 40.00	600.49	24020.00	50.00	24020.00
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tuble material confirming to Is 1387/1993 and manufactured form hot rolled steel skelp/stripes in random lenghth of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end	Mtr				20.00	1364.75	27295.00	20.00	27295.00
4	Providing and fiixng 250mm dia PVC pipe and as per specification and directions	Each				7.00	1133.00	7931.00	7.00	7931.00
5	175mm dia M. S Casing cap	Each				1.00	103.00	103.00	1.00	103.00
6	M.S Casing pipe collars 'C' collars	Each				4.00	154.50	618.00	4.00	618.00
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 5OHz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings	set				1.00	70600.00	70600.00	1.00	70600.00
8	Providing laying and jointing GI pipes conforming to I.S. specification of approved make with fittings such as collers Bends Elbows Tees Nipples Plugs with cuts thread using white lead and thread for joints wherever necessary as per directions including all leads and lift etc., complete A Grade (Excluding cost of fittings) 50mm dia GI pipe	Rmtr				133.00	519.30	69067.00	133.00	69067.00
9	Providing and fixing heavy duty collars	Rmtr				19.00	84.80	1611.00	19.00	1611.00
10	Supply and drawing 3 crore Flat PVC Shalted Submersible Pump cable Manufactured with Electrolytic grade copper with Flexibel copper Conductor to table 3 Class 5 of IS 8130-1984 And virgin PVC insulation and Sheeted Suitable for Working Voltage up to 1100 Volts.	Mtr				266.00	164.29	43700.00	266.00	43700.00
11	Supplying and delivery at site brand new / Essen / Lotus sunsines / Adarsh / GK controls best indigenous make combine energy meter - cum - controlpanel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof The unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combine energy meter cum - control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. complete T panel board shall be febricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 12.5 HP with Star Delta Starter	Nos				1.00	14800.00	14800.00	1.00	14800.00
12	Fabricating supplying and mounting MS cox of 16 SWG suitable for floor / wall mounting, fully weather proof with providion for better heat discription, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm and Rs. 0.35	Sqm				2000.00	0.34	6798.00	2000.00	6798.00
13	Providing and fixing of Clamps set and borewell cap to the pump	Nos				1.00	690.00	690.00	1.00	690.00
14	Suppying and delivery of brand new best make Non-return valve of size 50mm as per IS : 778/84 with latest amendments with ISI mark	Nos				3.00	1213.00	3641.00	3.00	3641.00

1213.70

38430

15	Suppying and delivery of brand new best make Gate wheel of size 50mm as per IS : 778/84 with latest amendments with ISI mark (Rate approved by RDED) 50mm Gate wheel Valve for distributer pipeline	Nos				3.00	1696.00	5088.00	3.00	5088.00
16	Providing & fixing of 50mm G,I, bend to the Motor (Rate approved by S,E,PRED RATES)	Nos				3.00	232.00	696.00	3.00	696.00
17	Providing & fixing of 50mm G,I, NIPPLE to the Motor	Nos				3.00	104.30	313.00	3.00	313.00
18	Providing & fixing of 50mm G,I, UNION to the Motor	Nos				3.00	237.12	711.00	3.00	711.00
19	Labour Charges for end connection	Nos				1.00	475.00	475.00	1.00	475.00
20	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation	Per length				45.00	90.64	4079.00	45.00	4079.00
21	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement a) Out door type	Nos				1.00	475.00	475.00	1.00	475.00
22	Supplying and fixing miniature circuit breakers/Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required - complete as	Nos				1.00	904.40 906.00	906.00	1.00	906.00
23	Supplying and Laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV calss (Confirming to IS 1554)	Mtr				45.00	169.95	1648.00	45.00	1648.00
24	Digging of Trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces	Mtr				45.00	56.65	2549.00	45.00	2549.00
25	Supplying and fixing Class--A GI Pipe on Pole / Wall / Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm	Nos				3.00	249.26	748.00	3.00	748.00
26	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit./ The pit should be filled with equal proportion of salt and charocoal 150 mm alround the pipe to complete depth The connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122 mm dia	Nos				1.00	1699.50	1700.00	1.00	1700.00
27	Supplying and fixing LT cast iron pot Heads suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals , clamps, bolts nuts and washers etc,.	Nos				1.00	271.92	272.00	1.00	272.00
28	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's.	Nos				1.00	1350.00	1350.00	1.00	1350.00
29	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved	Nos				3.00	1526.40	4579.00	3.00	4579.00
30	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches	Nos				1.00	311.58	312.00	1.00	312.00
31	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in hard soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification.	Cum				16.20	283.02	4585.00	16.20	4585.00
32	Providing and installing at site of work 63mm (0.662) P.V.C. pipes of 6 kg./cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.b) 75mm 6 KSC/Smtr Bore well Surrounding Connections 33. Providing & installation at Site of work 20mm ZIPVC Rmtr	Rmtr Rmtr				85.00 32.00	157.00 193.38	13345.00 6207.00 6188	85.00 32.00	13345.00 6207.00 6188
34	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications	Cum				45.90	76.32	3503.00	45.90	3503.00
35	KPTCL Deposit Charges	Nos						7400.00		7400.00
36	Water Quality Testing Charges	Nos						2800.00		2800.00
37	Borewell registration Charges	Nos						5026.00		5026.00
38	KRIDLCharges					KRIDL Charge Stmt.		40500/-		40500/-
39	Miscellaneous									
						Total Amount		505727.00		505727.00

CERTIFICATE

1 This is to certify that the contractor has completed the work satisfactorily.

2 The contractor has cleared the debries from the work sport

3 The contractor has used his own vehicles for the coveying the debries.

4 There are no departmental issues for the above work.

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone.
Bruhat Bangaluru Mahanagara Palike

Bill - 438012
7400
2800-
5026-
39421-
492659-